

# Flu Watch

MMWR Week 16: April 14 to April 20, 2019

*All data are provisional and subject to change as more reports are received.*

## Geographic Spread



South Carolina reported  
local activity this week.

## Influenza Activity



Overall, there was a  
decrease in influenza  
activity this week.

## Regional Influenza Activity



A decrease



A decrease



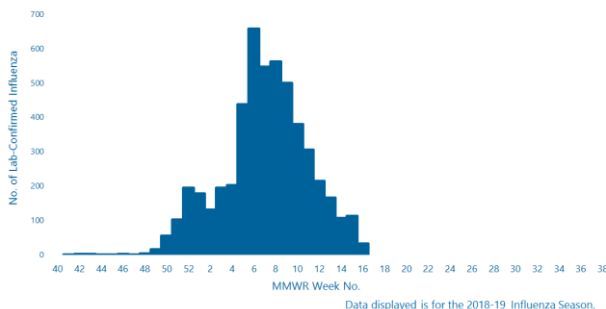
A decrease



A decrease

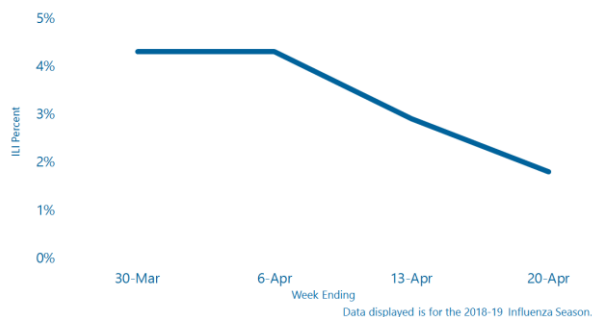
## Virologic Surveillance

This week there were **33** lab-confirmed tests  
reported. Influenza A was most frequently  
reported. In the current flu season, there have  
been **5167** lab-confirmed tests reported.



## Influenza-Like Illness Surveillance

The percent of patient visits to sentinel providers  
for an influenza-like illness (ILI) was 1.8%, which  
is below South Carolina's baseline (3.53%). The  
ILI activity level overall was minimal



## Influenza-Associated Hospitalizations

This week 46 influenza-associated  
hospitalizations were reported by 45 hospitals.  
The cumulative hospitalization rate is 51.9 per  
100,000. In the current flu season, there have  
been 2606 influenza-associated hospitalizations.

## Influenza-Associated Deaths

This week 0 influenza-associated death were  
reported.  
The cumulative mortality rate is 1.7 per 100,000.  
In the current flu season, there have been 87  
influenza-associated deaths.

For a description of South Carolina's influenza surveillance  
components and definitions go to:

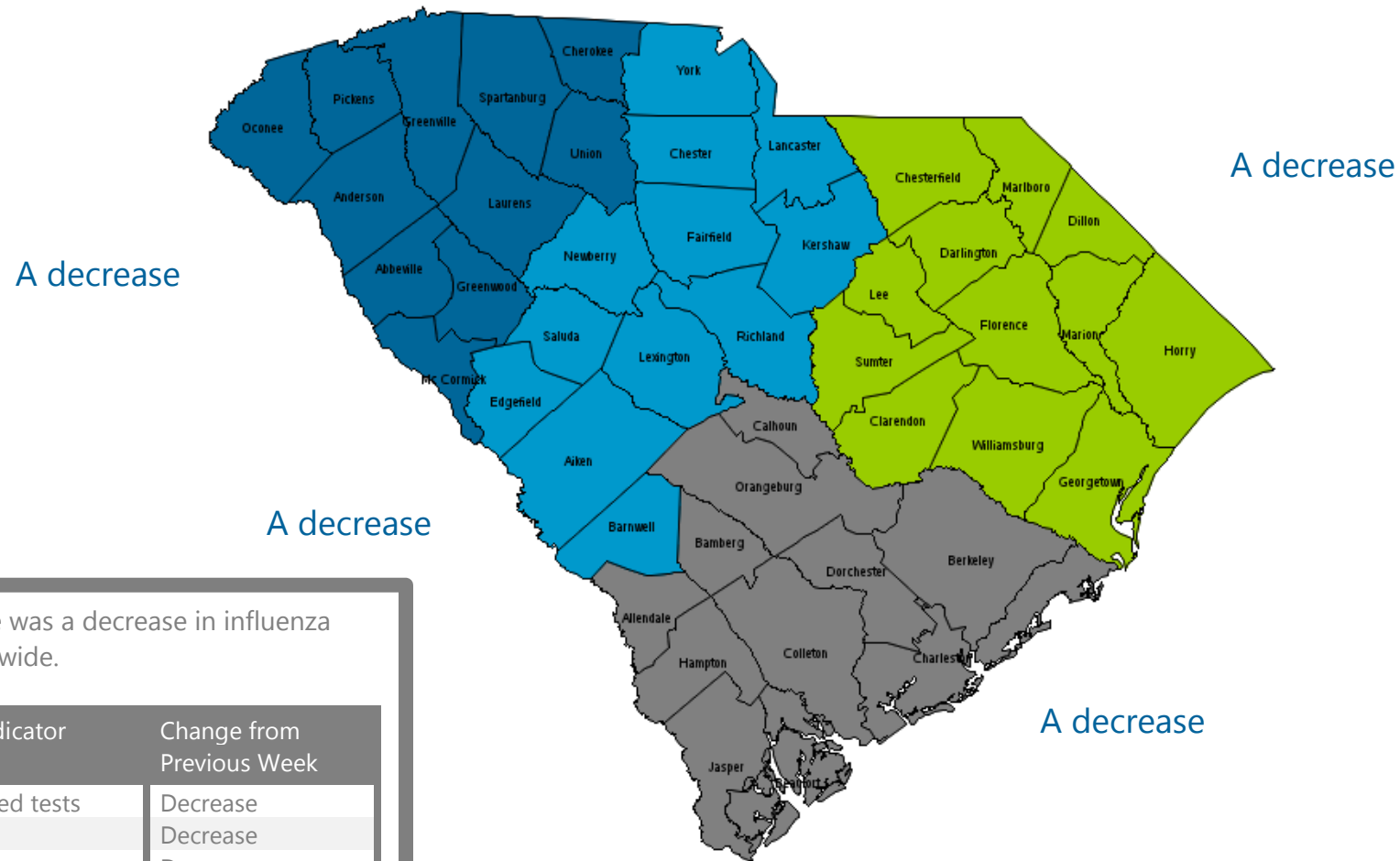
<http://www.scdhec.gov/Health/DiseasesandConditions/InfectiousDiseases/Flu/FluData/>

For national surveillance, please visit:

<https://www.cdc.gov/flu/weekly/>

# Influenza Activity\*

In the 4 Public Health Regions, activity showed...



\*Indicators for assessing influenza activity include: lab-confirmed tests, ILI percent, and hospitalizations.

# Virologic Surveillance

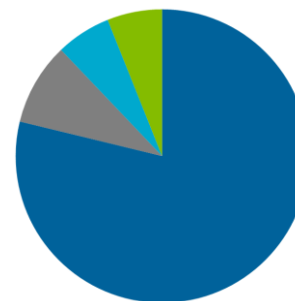
Influenza Type	Season Totals To Date					
	No. (%)	This Week	2018-19	2017-18	2016-17	5 season average
Overall		33	5167	3539	2406	1730
Influenza A		31(93.3)	5019(97.1)	2437(68.9)	1539(64.5)	1264(73.1)
A(H3)		2(6.4)	682(13.6)	532(21.8)	395(25.5)	263(20.9)
A(H1N1)		3(9.7)	542(10.8)	204(8.4)	64(4.1)	294(23.2)
A(NS)*		26(83.9)	3795(75.6)	1701(69.8)	1093(70.4)	707(55.9)
Influenza B		2 (6.1)	148(2.9)	1102(31.1)	854(35.5)	466(26.9)
B (Victoria)		--	2(1.4)	2 (0.2)	--	0.4 (0.1)
B (Yamagata)		--	--	55(5.0)	--	11 (2.4)
B (LND)+		2(100)	146(98.6)	1045(94.9)	840(100)	454(97.6)

\*NS – not subtyped

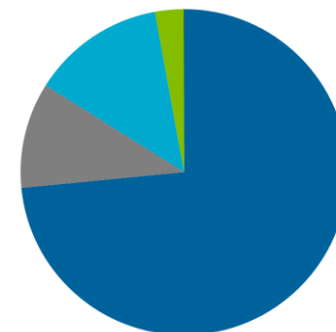
\*LND – lineage not determined

Nationally, the influenza season begins with MMWR week 40 and ends with MMWR week 39. The 2018-19 influenza season began on September 30, 2018 and will end on September 28, 2019.

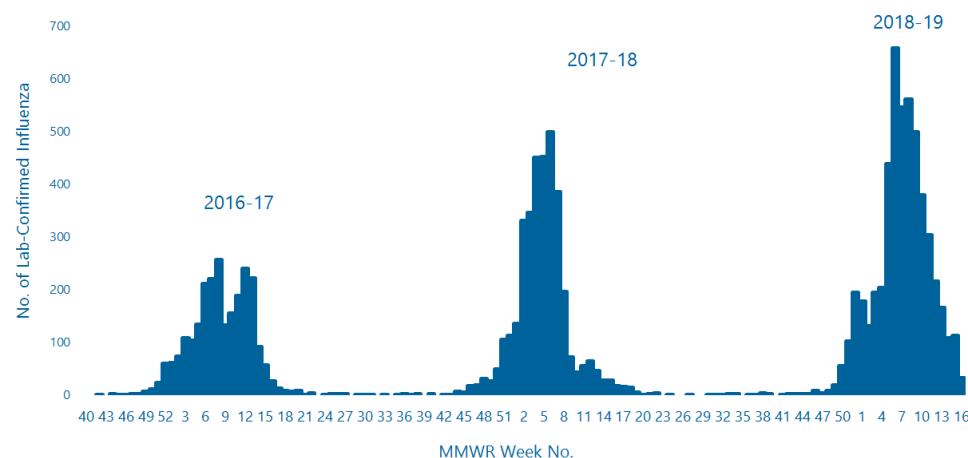
Week ending 4/20



Cumulative



■ A not subtyped ■ A(H1N1) ■ A (H3) ■ B (lineage not determined) ■ B (YAM) ■ B (VIC)



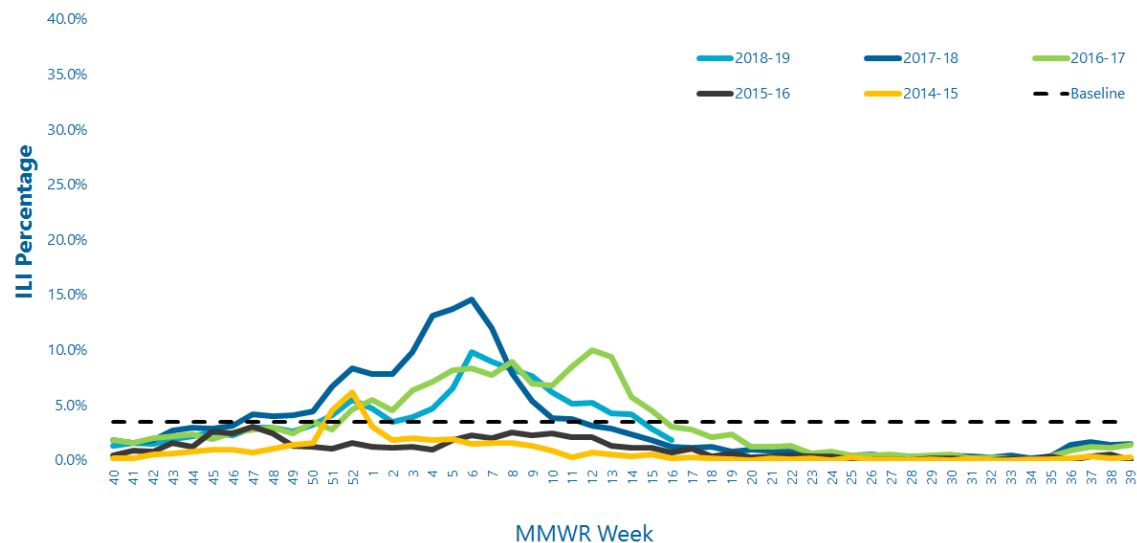
## Influenza-Like Illness Surveillance

This week, the ILI activity level was **minimal** and 1.8% of patient visits to SC ILINet providers was attributed to an influenza-like illness. This is below the state baseline, 3.53%.

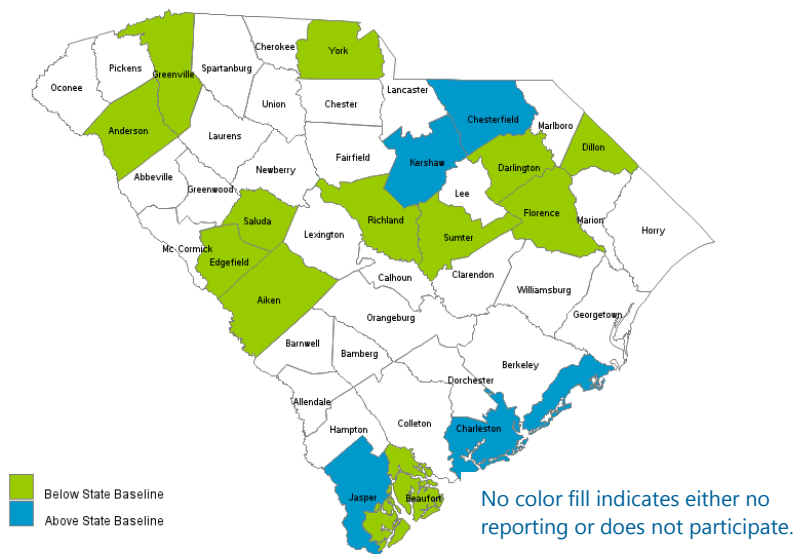
Reports were received from providers in 16 counties, representing all DHEC Public Health regions.

\*\*ILI percentage is dependent upon the number of reporting providers and/or can vary by disease activity or the number of providers submitting reports.\*\*

Percentage of Influenza-like Illness (ILI) Visits Reported by Sentinel Providers for Past and Current Seasons



County ILI Percent



State ILI Activity Level 2018-19 Calendar by Week of the Year

OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
40	44	48	1	5	9	14	18	22	27	31	36
41	45	49	2	6	10	15	19	23	28	32	37
42	46	50	3	7	11	16	20	24	29	33	38
43	47	51	4	8	12	17	21	25	30	34	39
		52			13			26		35	

ILI ACTIVITY LEVELS: **MINIMAL** LOW MODERATE HIGH

# Influenza-Associated Hospitalizations And Deaths

Hospitalizations No. (Rate)	Overall	Ages 0-4	Ages 5-17	Ages 18-49	Ages 50-64	Ages 65+
This Week	46(0.9)	4(1.4)	2(0.3)	7(0.3)	10(1.0)	23(2.7)
2018-19	2606(51.9)	123(41.9)	123(15.2)	405(19.7)	645(64.6)	1332(154.1)
2017-18	4420(88.0)	155(52.8)	137(16.9)	573(27.9)	1033(103.5)	2522(291.7)
2016-17	2424(48.9)	106(36.3)	127(15.8)	326(16.0)	542(54.7)	1323(159.5)
5 season average	2640(53.7)	151(52.0)	114(14.3)	426(21.0)	617(63.0)	1330(164.0)

Deaths No. (Rate)	Overall	Ages 0-4	Ages 5-17	Ages 18-49	Ages 50-64	Ages 65+
This Week	0	--	--	--	--	--
2018-19	87(1.7)	2(0.7)	1(0.1)	6(0.3)	21(2.0)	57(6.6)
2017-18	285(5.7)	3(1.0)	--	27(1.3)	50(5.0)	205(23.7)
2016-17	91(1.8)	1(0.3)	1(0.1)	8(0.4)	15(1.4)	66(8.0)
5 season average	125(2.5)	1 (0.3)	1 (0.1)	15(0.7)	22(2.3)	86(10.5)

Influenza-Associated Deaths by Region

